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DSC-W220/B

Cyber-shot® Digital Still Camera

The Sony® Cyber-shot® DSC-W220 combines point-and-shoot ease-of-use with advanced features in a sophisticated, compact design. Intelligent Scene Recognition (iSCN) can recognize five different scene conditions and automatically adjust camera settings, and Face Detection technology detects up to eight faces and captures them naturally. In addition, Optical SteadyShot™ image stabilization helps to reduce blur for crisp, clear images.

- 12.1 Megapixel Super HAD™ CCD Image Sensor:
  A powerful 12.1 megapixel 1/2.3" Super HAD™ CCD image sensor helps you capture gorgeous images with superb contrast and clarity down to the finest detail. With 12.1 megapixels, you can create stunning, photo-quality prints up to A3+ (13x9") size, or crop your images and still come away with high resolution shots.
- Carl Zeiss® Vario-Tessar® Lens with 4x Optical Zoom:
  The professional-quality Carl Zeiss® Vario-Tessar® 4x optical zoom lens brings distant subjects closer for great outdoor, sports, and travel photos.
- 30mm wide angle lens:
  A wide angle lens (30mm-120mm) shows more of the scene you're shooting, helping you capture more complete images when shooting indoor group portraits, expansive landscapes, or architectural scenes.
- 2.7" Clear Photo LCD™ display (230k pixels):
  Generous 2.7"[1] (230K pixels) Clear Photo LCD™ display features sharp, natural color that makes it easy to compose shots, read menus, and view photos, even in bright sunlight.
- BIONZ™ image processor:
  The BIONZ™ image processor delivers the high resolution and fast performance you expect from a Sony® digital camera.
- Auto Mode:
  Auto Mode automatically adjusts exposure and white balance settings for better pictures, and can be enhanced further with a simple change in the settings menu. When Intelligent Scene Recognition (iSCN) and Face Detection are activated in Auto Mode, the camera goes a step further, automatically adjusting to scene conditions and capturing faces naturally. Whether you're shooting landscapes, capturing playground action, or taking pictures at a birthday party or wedding shower, the intuitive Auto Mode will optimize your camera's settings to help ensure you come away with a great shot.
- Intelligent Scene Recognition:
  Intelligent Scene Recognition (iSCN) Mode automatically detects five different types of scenes conditions (Backlight, Backlight Portrait, Twilight, Twilight Portrait, and Twilight using a Tripod) and within 1/30th of a second selects the appropriate camera settings:. iSCN has 2 modes: Auto and Advanced. In Auto Mode, the camera takes a single shot using the optimal settings. In Advance Mode, the camera takes a photo with the standard automatic settings and, in difficult lighting (low light or back light) immediately takes a second photo with optimized setting so you can chose which to keep.
- Face Detection technology:
  Face Detection technology detects up to eight individual faces and controls flash, focus, exposure, and white balance to deliver accurate, natural skin tones with reduced red-eye for beautiful images of family and friends. Face Detection technology can even distinguish between children and adults, so you can prioritize the camera's focus on children in the scene for clear images of their memorable moments.
- Smile Shutter™ technology:
  The popular Smile Shutter™ technology automatically detects and captures a smiling face. Simply activate by pressing the Smile Shutter button and the camera will capture a smile the moment it happens. You can also select subject priority (Adult or Child Priority or touch subject on screen) and indicate the degree of Smile Detection Sensitivity to high (small smile), medium (laugh) or low (grin). Smile Shutter also makes a great substitute for the self timer. Just smile once everyone is ready, and the camera will automatically capture the shot.

ADDITIONAL FEATURES

- Double Anti-blur Solution:
- Optical SteadyShot™ image stabilization:
- High Sensitivity Mode (ISO 3200):
- Convenient Photo Modes:
- Easy Shooting Mode:
- Dynamic Range Optimizer Standard and Plus:
- Function Guide:
- MPEG Movie VX Fine Mode:
- 16:9 High Resolution Mode:
- Memory Stick Duo™ Media Convenience:
- Stamina® Battery Power:
- In-Camera Retouching Tools:
- HDTV Compatibility:
- PhotoTV HD:
- PHOTOMUSIC feature:
- Wide Zoom display:
- Multi-purpose Resize function:
- Picture Motion Browser ver. 4.2.02:

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Specifications

Convenience

Erase/Protect: Yes/Yes

Date/Time Stamp: No/ No

Color Mode(s): Normal / Vivid / Sepia / B & W

Removable Flash Media Compatibility: Tested to support up to 16GB Memory Stick DUO PRO™ media capacity; does not support Access Control security function.

Convenience Features

Power Save Mode: Yes (after approx. 3 min. of inactivity)

Media/Battery Indicator: Yes

Red-Eye Reduction: Yes (On / Off all modes)

Inputs and Outputs

Accessory Terminal: Multi connector

LCD Display

Histogram: Yes

LCD Type: 2.7"[1] Clear Photo LCD (230K Pixels)

Flash

Flash Coverage: ISO Auto: W: Approx 0.66'-12.8' (Approx 0.2-3.9m) / T: Approx 1.64'-6.23' (Approx 0.5-1.9m) ISO3200: W: up to Approx 23.3' (Approx 7.1m) / T: Approx 2.8' (Approx 3.9m)

Viewfinder

Type: No

Optics/Lens

Aperture: Auto(F2.8/F7.1(W), 2 steps with ND Filter) / Program Auto(F2.8/F7.1(W), 2 steps with ND Filter)

Filter Diameter: 46mm(with Lens Adapter)

Smart Zoom® Technology: 8M:Approx.4.9x(Total), 5M:Approx.6.2x(Total), 3M:Approx.7.8x(Total), VGA:Approx.25x(Total), 16:9(2M):Approx.8.3x(Total)

Digital Zoom: Smart Zoom / Precision Digital Zoom / Off

Optical Zoom: 4x

Macro Mode: Yes

Total Zoom: 8x

Focal Length (35mm equivalent): 5.35-21.4mm

Lens Construction: 6 elements in 5 groups (including 3 aspheric elements)

Lens Type: Carl Zeiss® Vario-Tessar®

Power

Battery Type: Lithium-Ion NP-BG1

Battery Capacity: 3.6V, 960 mAh

Software

Supplied Software: Windows: Picture Motion Browser Vers 4.2 (Mac not supported)

Operating System Compatibility: Microsoft® 2000 Professional, XP Home and Professional; Macintosh® OS 9.1/9.2/OS X (10.1-10.5)

Operating Conditions

Flash Mode(s): Auto / Flash On / Slow Syncro / Flash Off

Advanced Features

Image Stabilization: Yes

In-Camera Editing: Trimming, Red Eye Correction, Soft Focus, Partial Color, Fisheye Lens, Cross Filter, Retro, Radial Blur, Unsharp Masking, and Happy Face.

NightFraming System: No

Face Detection: Yes - 8 faces with priority

NightShot® Infrared System: No

Drive System

Burst Mode: Approx.1.7 fps (Maximum 100 shots)

Drive Mode: Normal, Burst, Bracket Exposure

Self-timer: Yes (10 seconds, 2 seconds, Off)

Shutter Speeds: Auto(1/4 - 1/1,600) / Program Auto(1" - 1/1,600)

Interface

PictBridge Compatible: Yes

HD Output: Yes (1080i) - With optional accessory cable (VMC-HD2).

SD Output: Yes via Mutli-Use Connector

USB Port(s): Yes -supports USB 2.0

Imaging Sensor

Processor: BIONZ™

Imaging Sensor: 1/2.3 type(7.79mm) Super HAD™ CCD

Exposure System

D-Range Optimizer: Standard / Off / Plus

ISO: Auto / 100 / 200 / 400 / 800 / 1600 / 3200

Metering: Yes

Noise Reduction: Yes

Scene Mode(s): Auto / Easy / Program Auto / High Sensitivity / Twilight / Twilight Portrait / Soft Snap / Landscape / Beach / Snow / Fireworks / Underwater / Gourmet

White Balance Mode: Auto / Daylight / Cloudy / Fluorescent 1 / Fluorescent 2 / Fluorescent 3 / Incandescent / Flash

Recording

Media Type: 15MB internal Flash Memory, optional Memory Stick Duo™ Media, optional Memory Stick PRO Duo™ Media

Microphone/Speaker: Yes/ Yes

Still Image Max Effective Resolution: 12.1MP

Video Mode: MPEG VX Fine (640x480 at 30fps) (MPEG VX Fine requires Memory Stick PRO Duo™ media), MPEG VX Standard (640x480 at 16fps), Presentation (320 x 240 at 8.3fps)

Focus Control

AF Illuminator: Auto / Off

AF Modes: 9-Area Multi-Point AF, Center AF, Spot AF, Semi Manual Focus (0.5m / 1.0m / 3.0m / 7.0m / Unlimited distance)

Dimensions

Weight: Body: Approx 4.2 oz (118g) / With battery and MSDuo: Approx 5.2 oz (147g)

Measurements: W x H x D: 3 3/4" x 2 1/4" x 7/8" (95.2mm x 56.5mm x 21.8mm)

Service and Warranty Information

Limited Warranty Term: 1 Year Parts & Labor

Supplied Accessories

NP-BG1 rechargeable battery

BC-CSG battery charger

A/V and USB multi-connector cables

Wrist strap

Picture Motion Browser ver. 4.2

Note: No Memory Stick DUO ™ Media or adaptors are included.

Optional Accessories

Rechargeable Lithium-Ion Battery (NP-BG1)

GPS Unit

Memory Stick PRO Duo™ Media (MSX-512S)

Memory Stick PRO Duo™ Media(MSX-1GST)

Memory Stick PRO Duo™ Media(MSX-2GS)

Memory Stick PRO Duo™ Media(MSX-M4GS)

Memory Stick Duo™ Adaptor (MSAC-M2)

Memory Stick Duo™ USB Adptor (MSAC-US40)

Color: Black

UPC Code: 027242749016

Viewable area, measured diagonally.
Shooting at high frame rate of up to 30 frames per second requires Memory Stick PRO Duo™ media (sold separately).
HD Viewing requires an HD output adapter cable (VMC-MHC2), and compatible HDTV.
Under average conditions; when fully charged, actual results may vary based on camera settings and conditions of use.
Compatible BRAVIA® HDTV, HDMI or component cable (sold separately) required for PhotoTV HD viewing. Specifications of the BRAVIA HDTV shown vary according to market region.
Eight preset music tracks stored in internal memory. Imported music tracks can be up to five minutes long. When using Music Transfer to download music, tracks longer than five minutes will be reduced to five minutes when uploading to the Cyber-shot® camera.
Requires Microsoft Windows 2000 Professional SP4, Windows XP SP2, or Windows Vista. Not supported by Mac OS.

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